

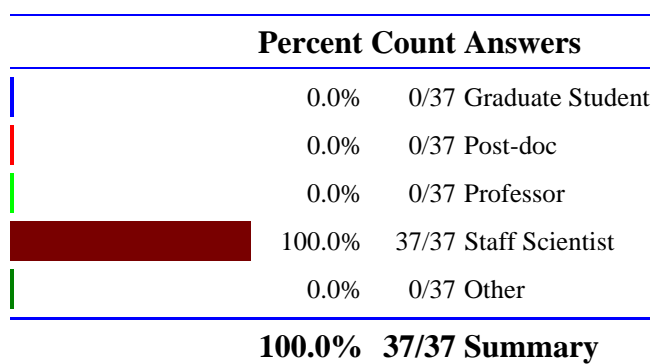
NIST Center for Neutron Research (NCNR)

Live Report

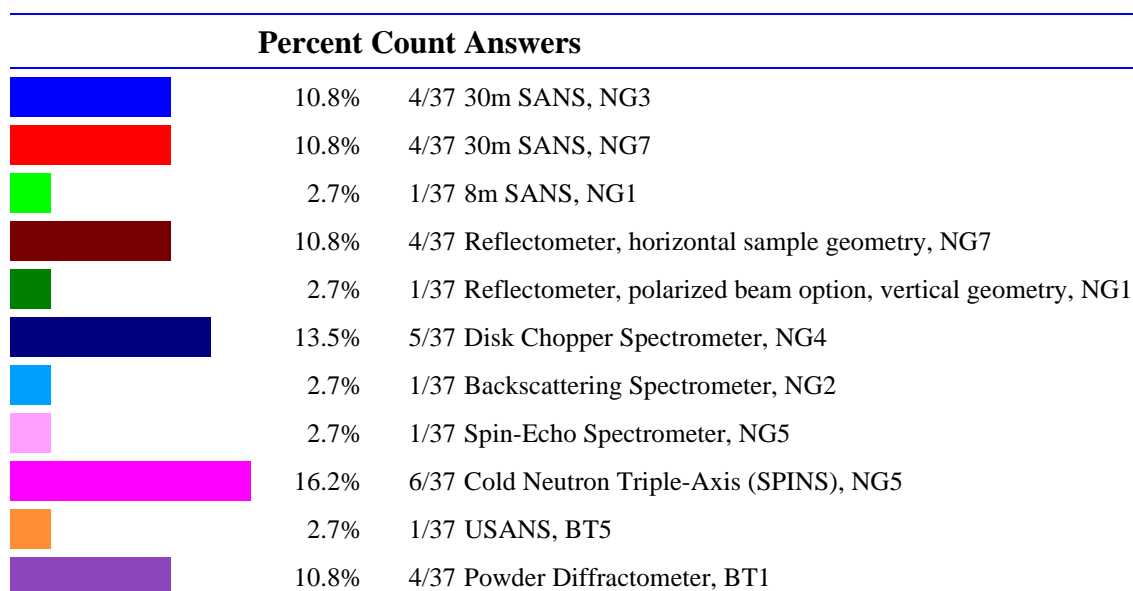
22-Feb-2004 8:14:58 AM

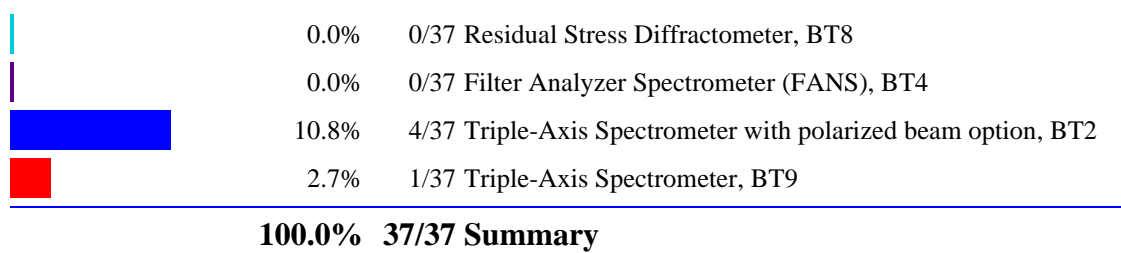
There are a total of **37** responses for the selected group from 15-Feb-2004 to 20-Feb-2004.

1. Your position

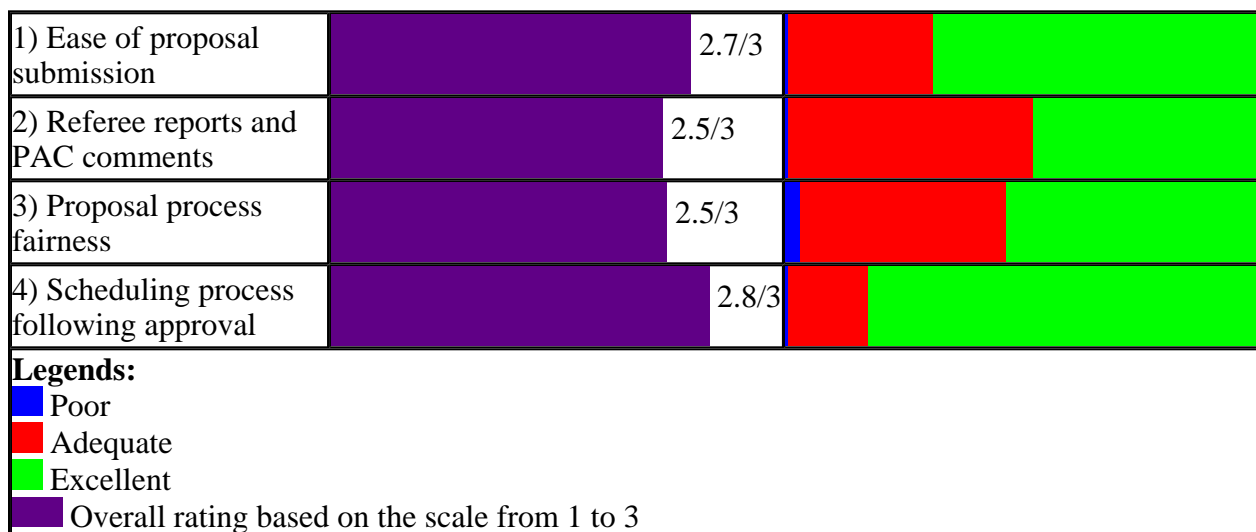


2. Your primary instrument (Please use this instrument as the basis for answers to sections 3 and 4)

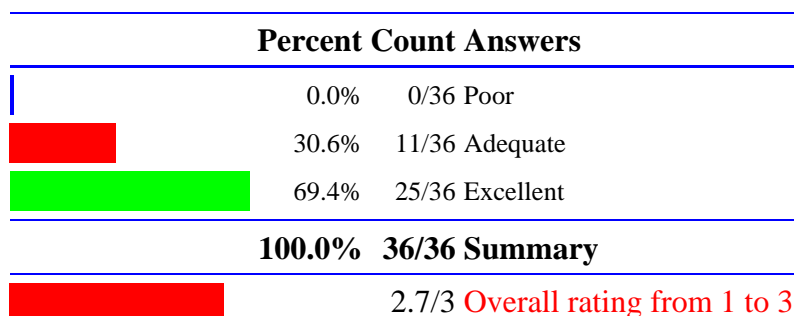




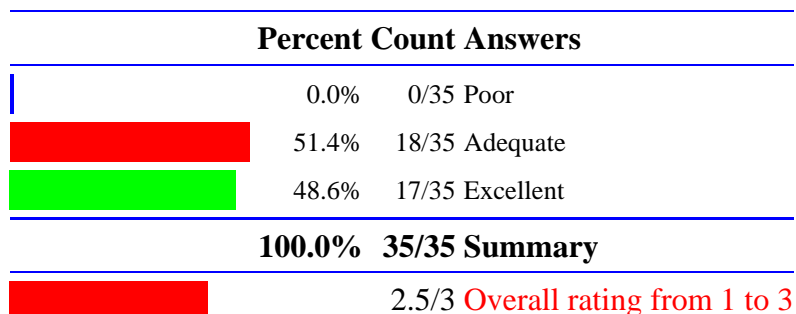
3. Please rate the proposal process



1) Ease of proposal submission

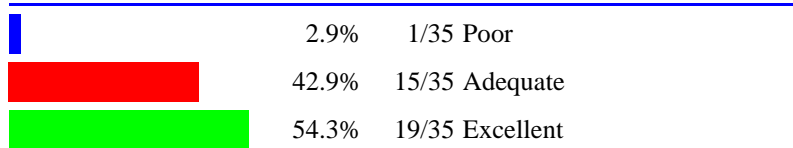


2) Referee reports and PAC comments

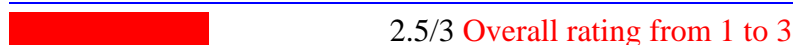


3) Proposal process fairness

Percent Count Answers

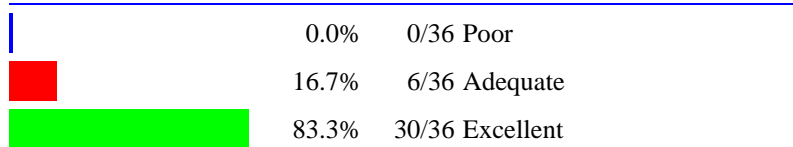


100.0% 35/35 Summary

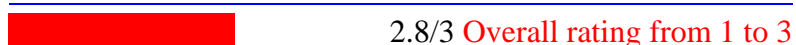


4) Scheduling process following approval

Percent Count Answers



100.0% 36/36 Summary



4. Please rate the effectiveness of the health physics training

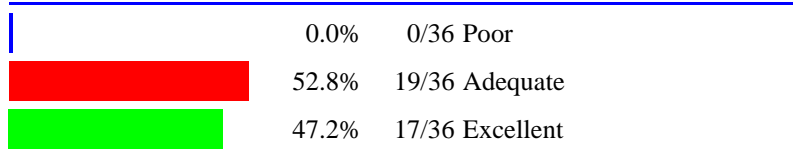
1) Relevance of computer based training content		2.5/3	
2) Efficiency of computer based training		2.5/3	
3) NCNR Health Physics tour		2.6/3	
4) Discussion/exam review with health physicist		2.5/3	
5) Refresher/Reindoctrination Training		2.5/3	

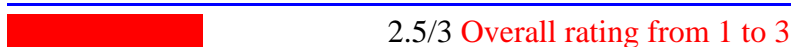
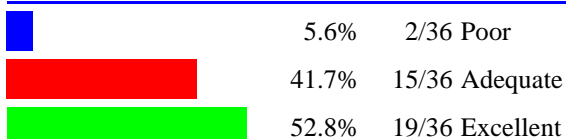
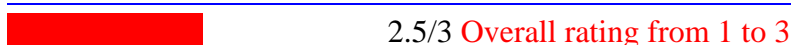
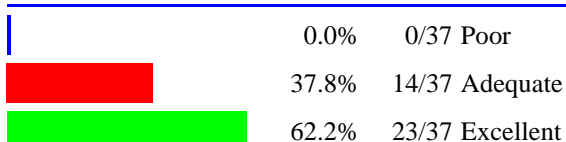
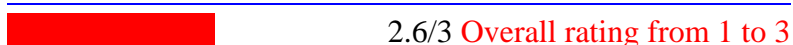
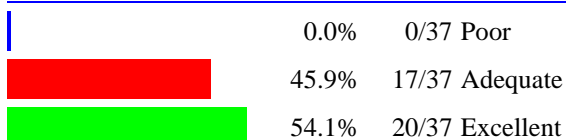
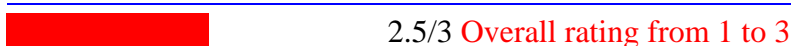
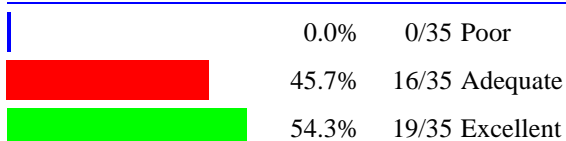
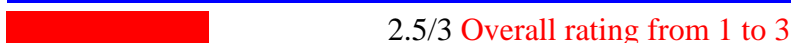
Legends:

- Poor
- Adequate
- Excellent
- Overall rating based on the scale from 1 to 3





1) Relevance of computer based training content

Percent Count Answers

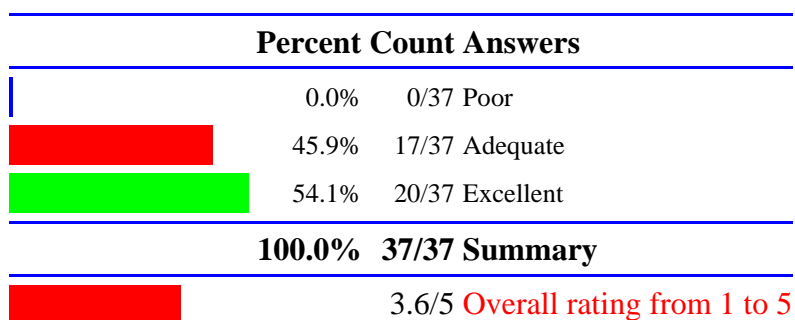


100.0% 36/36 Summary**2) Efficiency of computer based training****Percent Count Answers****100.0% 36/36 Summary****3) NCNR Health Physics tour****Percent Count Answers****100.0% 37/37 Summary****4) Discussion/exam review with health physicist****Percent Count Answers****100.0% 37/37 Summary****5) Refresher/Reindoctrination Training****Percent Count Answers****100.0% 35/35 Summary****5. Please rate the user support facilities**

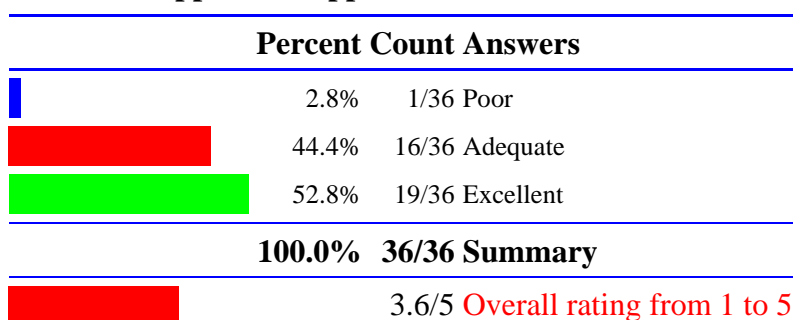
1) User Laboratory facilities		
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		3.6/5	
2) Tools and supplies in support labs		3.6/5	
3) User Offices		2.9/5	
4) NCNR computers for users		2.9/5	
5) Network access for user laptops		3.2/5	
6) Break/snack room facilities		2.6/5	
Legends:  Poor  Adequate  Excellent  Overall rating based on the scale from 1 to 5			

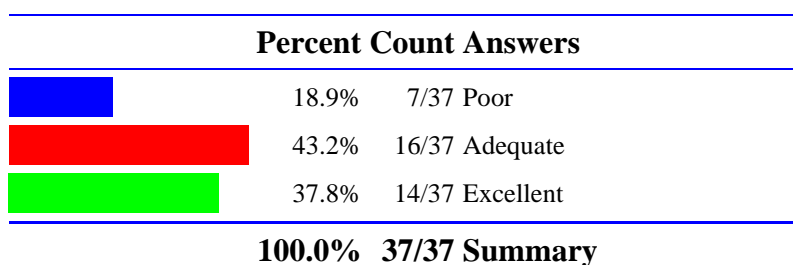
1) User Laboratory facilities

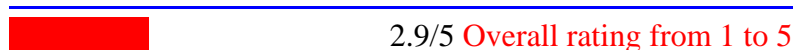


2) Tools and supplies in support labs

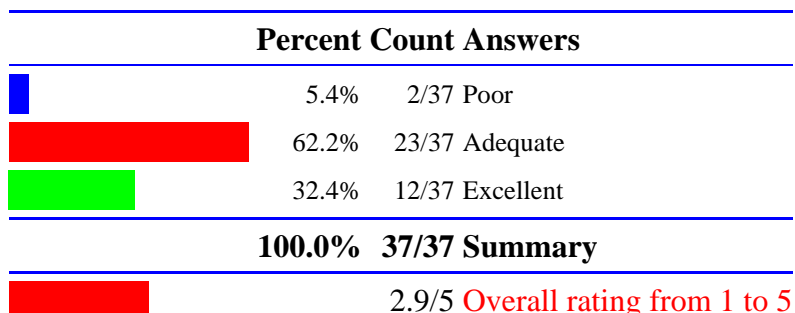


3) User Offices

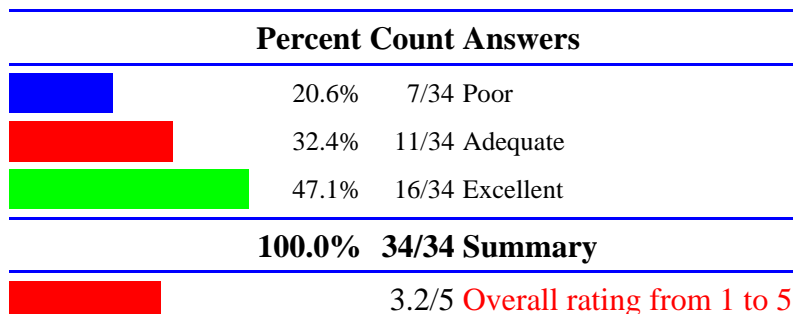




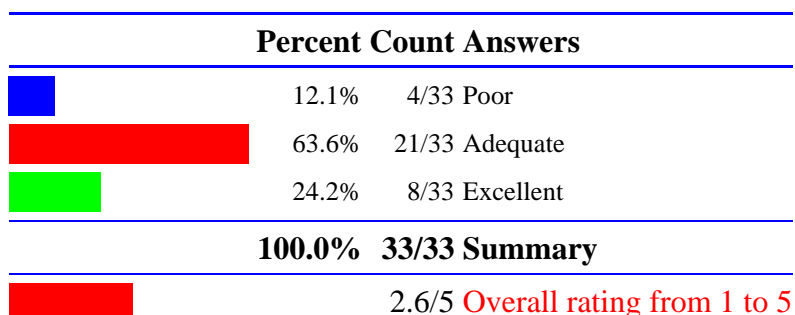
4) NCNR computers for users



5) Network access for user laptops



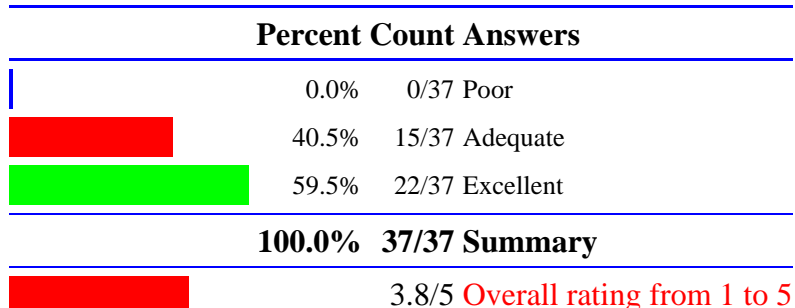
6) Break/snack room facilities



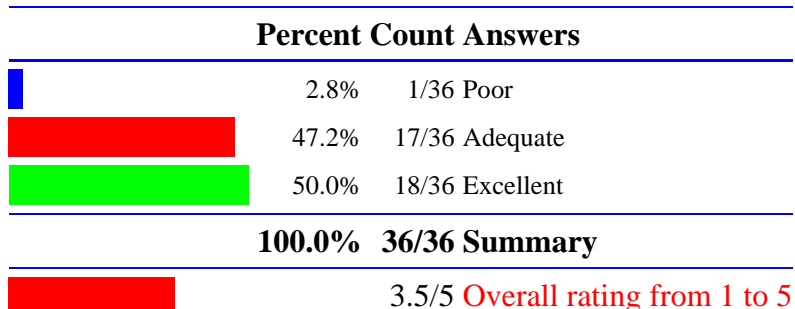
6. Please rate the following aspects of sample environments

1) Availability of different sample environments	3.8/5	
2) Quality and reliability of the equipment	3.5/5	
3) Support from sample environment personnel	4.7/5	
Legends: Poor Adequate Excellent Overall rating based on the scale from 1 to 5		

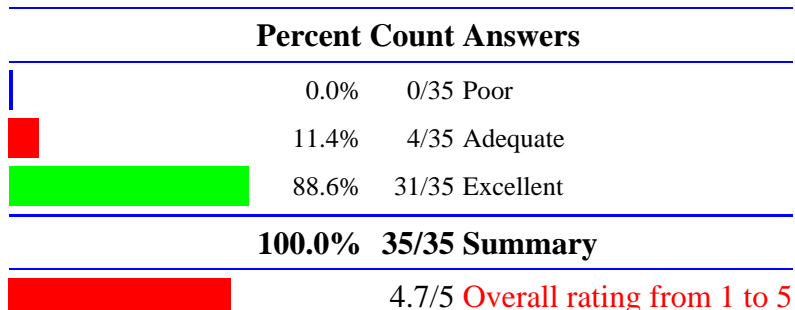
1) Availability of different sample environments



2) Quality and reliability of the equipment







3) Support from sample environment personnel



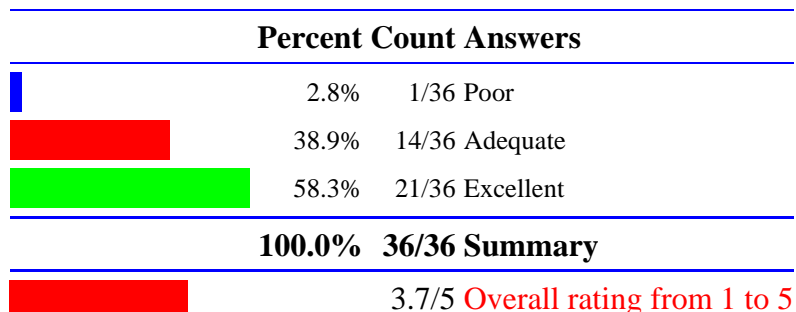
7. What other sample environments would you research benefit from

- [I like to make my own. As such I would appreciate more flexible and widely capable control interfaces between the NS instruments and user supplied ancillary equipment.](#)
- [The support staff is conscientious and hard working, but they are understaffed](#)
- [Higher field for both vertical and especially horizontal cryomagnets.](#)
- [In-situ MBE chamber](#)
- [An accurate absolute calibration of the thermometry is essential.](#)
- [N/A](#)
- [horizontal magnet with wide access \(not SANS-type\)](#)
- [I'd like to see an IR spectrometer and/or Brewster angle microscope available to be used on the NG7 refl. beamline simultaneously with the reflectivity measurements on liquid surfaces](#)

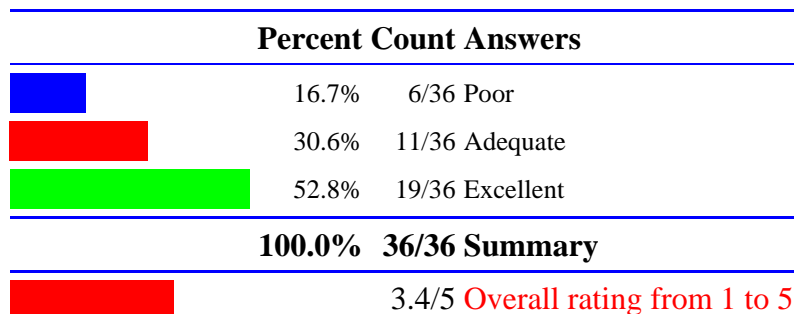
8. Please rate your primary NCNR instrument

1) Hardware reliability and performance		3.7/5	
2) Data acquisition software		3.4/5	
3) Support from NCNR staff		4.8/5	
Legends:  Poor  Adequate  Excellent  Overall rating based on the scale from 1 to 5			

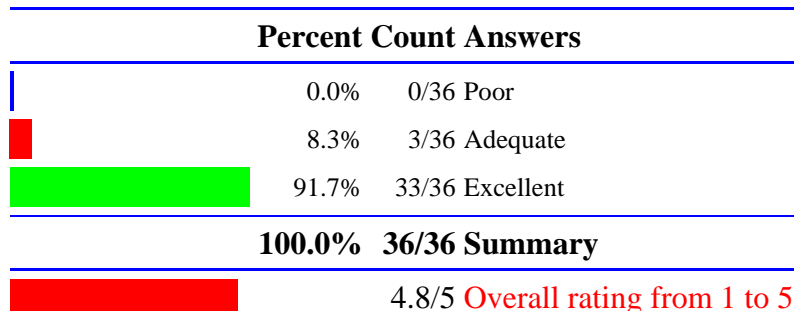
1) Hardware reliability and performance










2) Data acquisition software



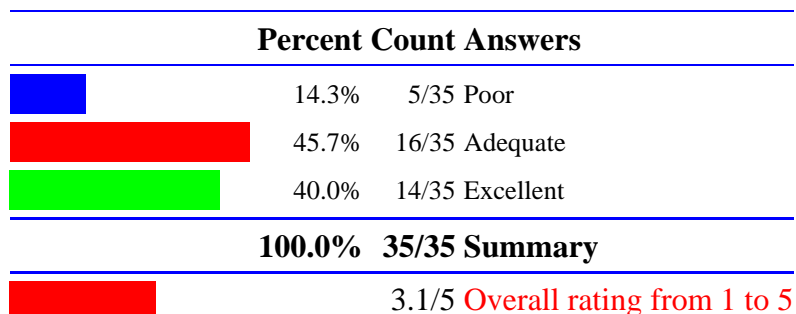
3) Support from NCNR staff



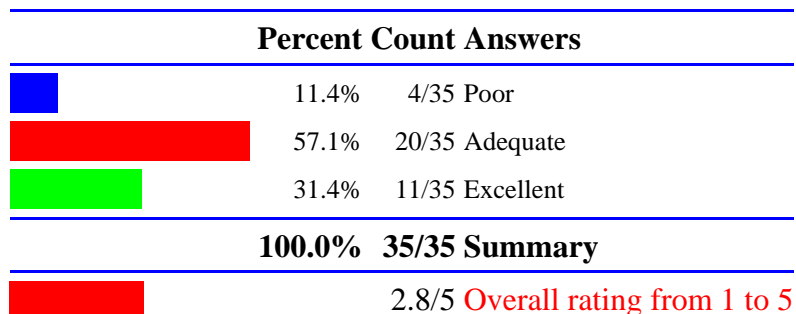
9. Please rate data analysis and visualization software at the NCNR

1) Quality of software		3.1/5	
2) Range of capabilities		2.8/5	
3) Assistance from NCNR staff		4.1/5	
Legends:  Poor  Adequate  Excellent  Overall rating based on the scale from 1 to 5			

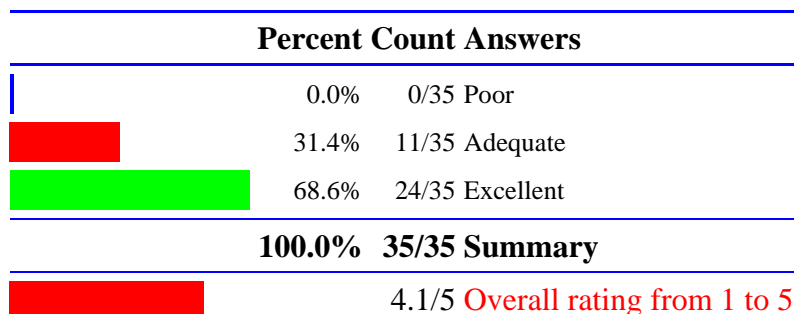
1) Quality of software



2) Range of capabilities







3) Assistance from NCNR staff



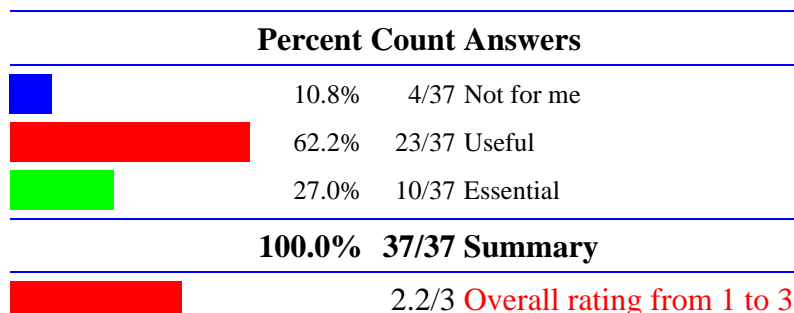
10. What other data analysis tools would your research benefit from

- [I prefer to use my own data analysis tools. In this regard, a unified data file format would be highly welcomed](#)
- [Data analysis software is just in the process of being upgraded and the new system looks like it is vastly improved](#)
- [Software designed for the occasional user rather than the expert user.](#)
- [See answer to 3.3](#)
- [The spectrometer control program is primitive and clumsy. It should be updated and commonalities pursued with other facilities.](#)
- [I use my own softwares to analyze and visualize data.](#)
- [Current software is sufficient and the choice entered in 3.5 does not mean that the NCNR need to do much more.](#)
- [Simulated scattering intensity for a number of simple model cross-sections \(eg Bragg scattering by powder and single crystals, a single-particle scattering for a given dispersion\)](#)
- [Data fitting software](#)

11. Please rate to what extent these forms of remote access (would) benefit your research program

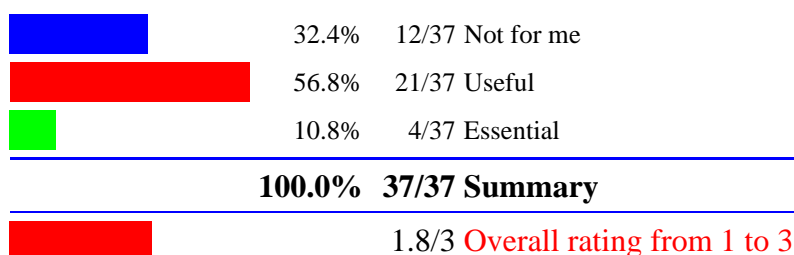
1) Remote viewing of instrument status and data		2.2/3			
2) Remote control of instrument		1.8/3			
3) Mail in samples for simple, well defined measurements		1.8/3			
Legends:  Not for me  Useful  Essential  Overall rating based on the scale from 1 to 3					

1) Remote viewing of instrument status and data

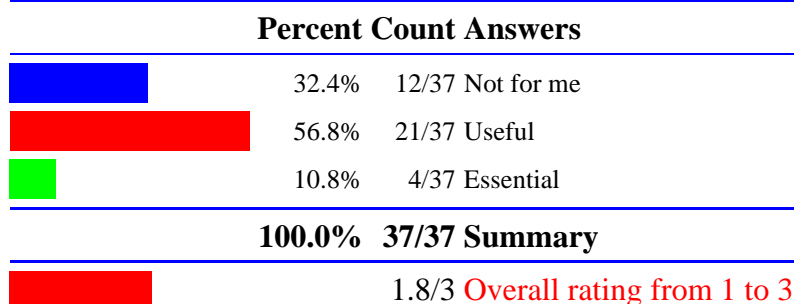


2) Remote control of instrument





3) Mail in samples for simple, well defined measurements



12. Please list any neutron instruments not currently at the NCNR that would benefit your research program or the community in general.

- [Zero field spin echo triple axis](#)
- [A spin echo spectrometer that actually worked and had software that wasn't a disaster.](#)
- [BT7](#)
- [N/A](#)
- [An instrument covers the Q range from 0.01 to 2.0 Å⁻¹. It is an instrument between the currently existing SANS and wide-angle diffractometer. The instrument shall be very capable of Machine with such a range tackles the nano-scale, which will benefit the entire nano-community.](#)

13. Are there any other comments or suggestions about the NCNR that you would like to add?

- [The NCNR is one of the finest user facilities in the world. The instruments provide capabilities that are unique and critical to the field of materials research, biological sciences, chemistry, and solid state physics. The facility is maintained such that the instruments are easy to use, always operating reliably, and running around the clock. The funding is put to exceptionally good use. Plus, on a scale of 1-10, the staff is a 99! They are always available to help- before, during and after experiments, and they provide excellent training, teaching and customer service functions. This facility is a precious and indispensable resource for the advancement of science and should, unquestionably, be fully staffed and supported for many years to come.](#)
- [Can you clone Mike? I think US neutron scattering needs about five of him. And good luck to Pat.](#)
- [The NCNR has the best suite of instruments and sample environments among US neutron facilities. And it is also the most open and fair to the user community. I hope that both can](#)

- [be continued to the future.](#)
- [Decreased funding to the NCNR will significantly impact U.S. materials science research capabilities in a negative way, and at a time when efforts abroad are actually being built up. The U.S. needs to maintain and enhance our existing cutting-edge materials research capabilities, not cripple them with funding cuts. The characterization and fundamental understanding of materials with exploitable properties remains the "bottom of the food chain" for the development of advanced technologies and for realizing the dreams of future applications.](#)
- [NCNR staff are excellent. The secretary, safety trainers, staff scientists \(especially Dr. Sushil Satija and Dr. Min Lin\) are knowledgeable and always ready to help.](#)
- [Do something about those user cubicles!](#)

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